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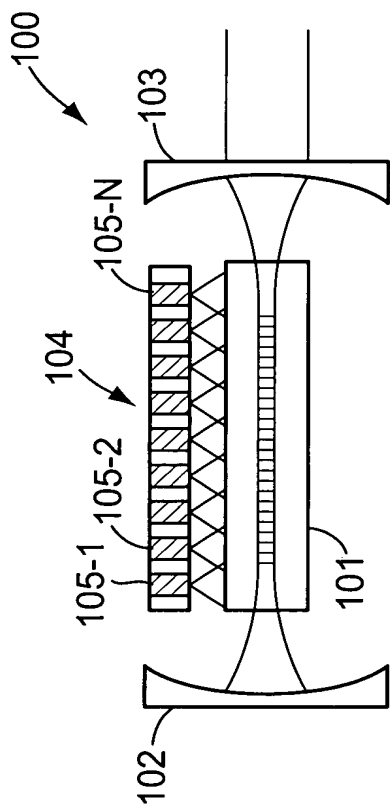


FIG. 1A

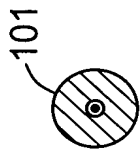


FIG. 1B

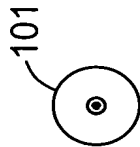


FIG. 1D

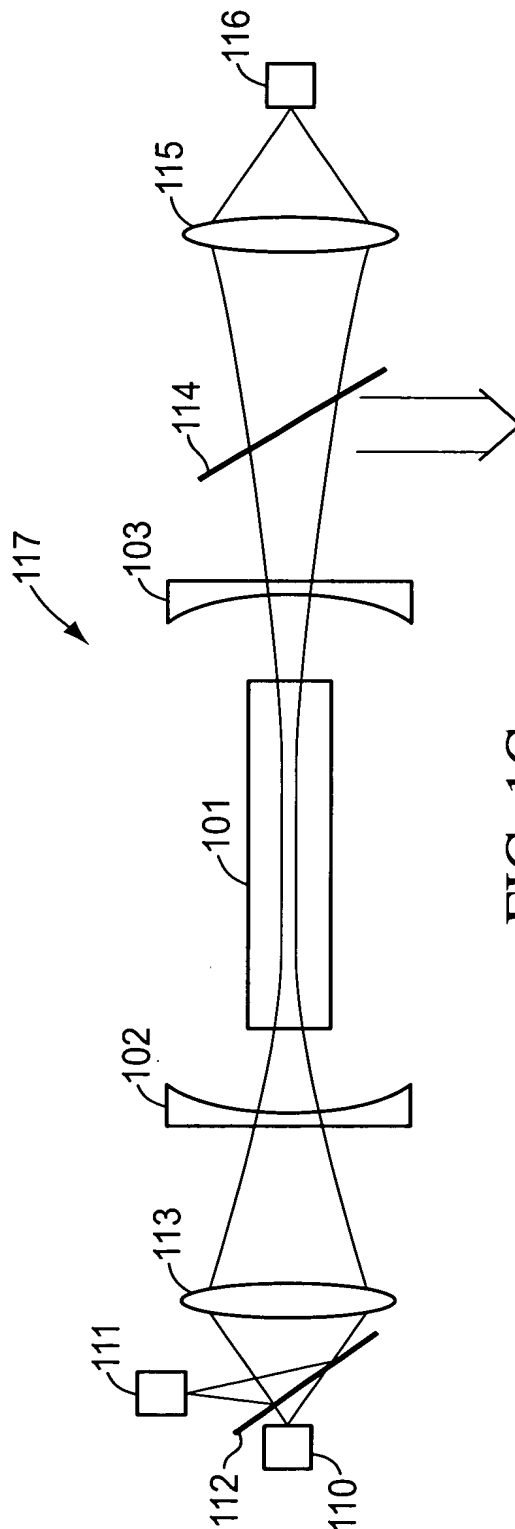


FIG. 1C

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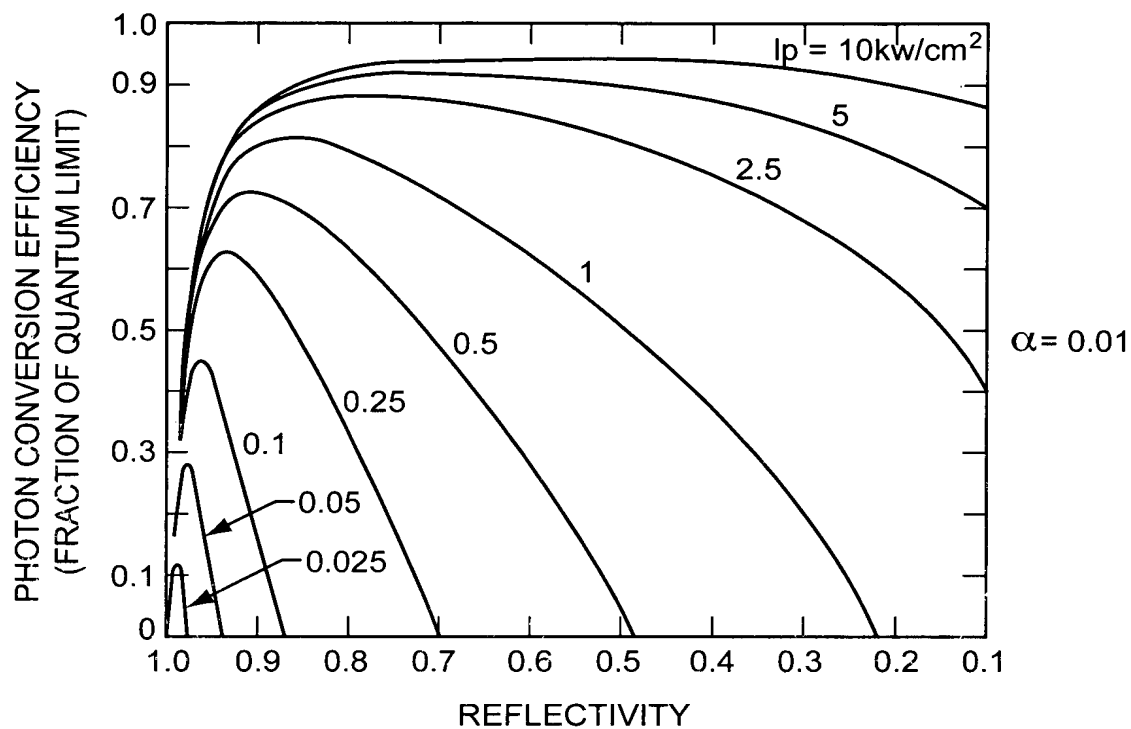
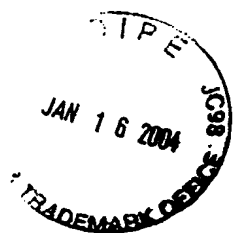


FIG. 1E

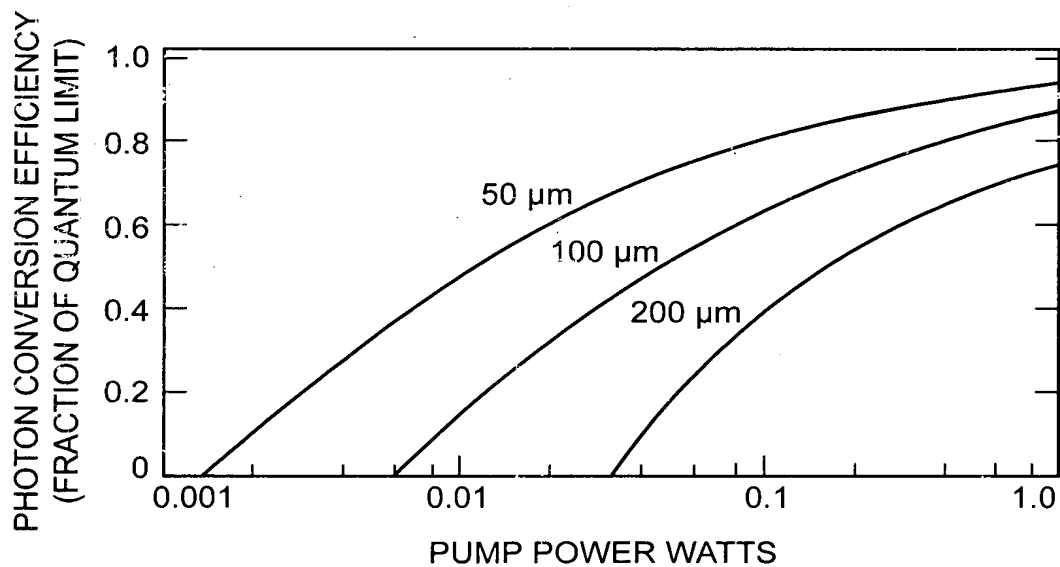


FIG. 1F

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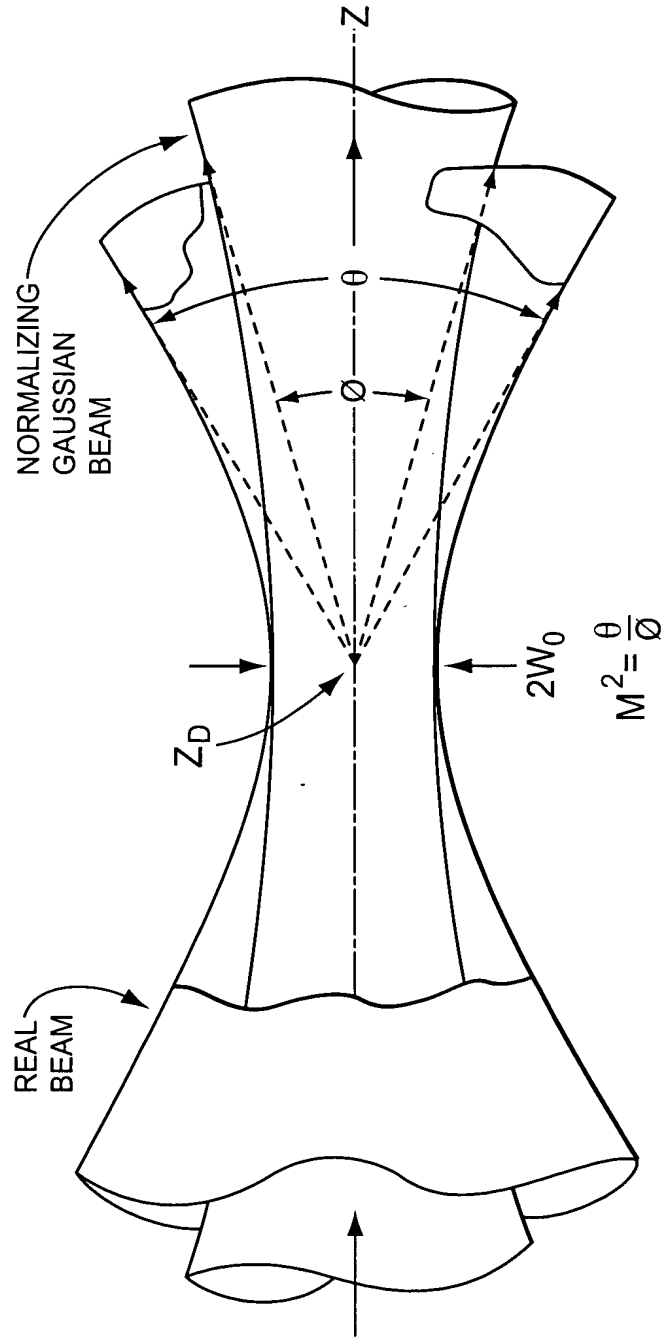


FIG. 2

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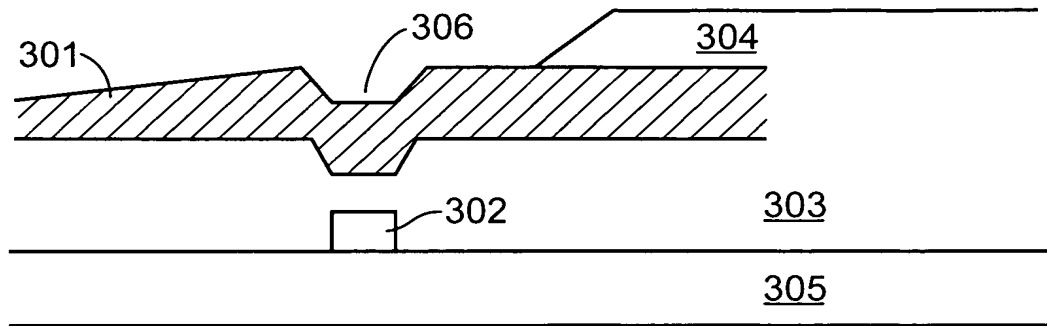


FIG. 3A

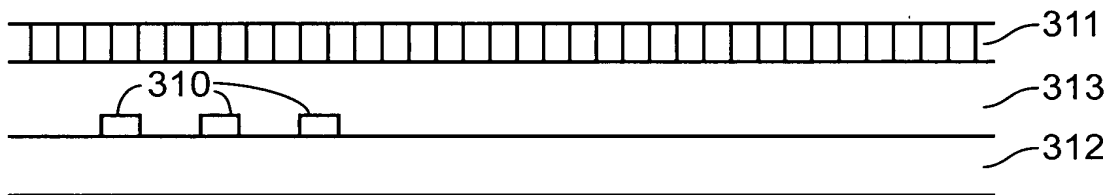


FIG. 3B

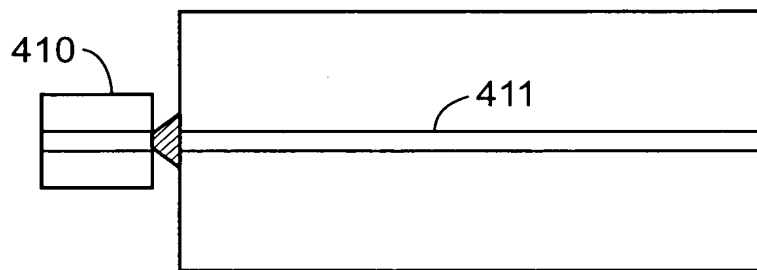


FIG. 4

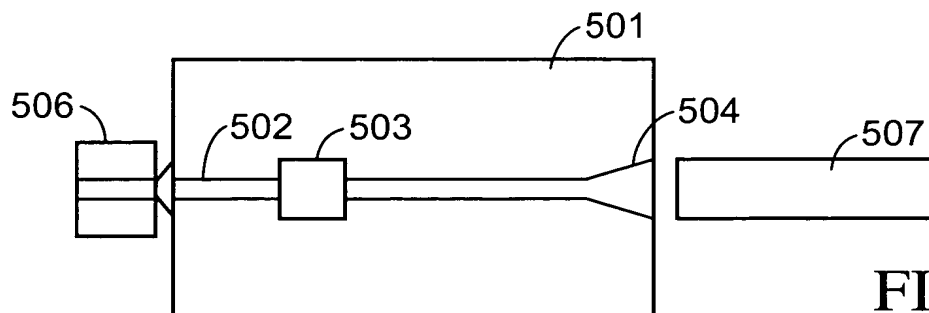


FIG. 5A



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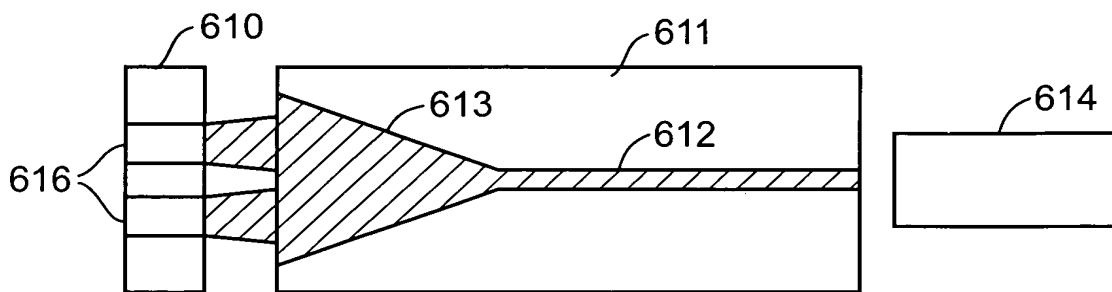


FIG. 6A

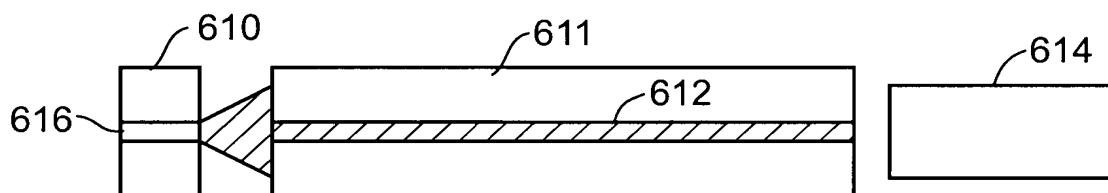


FIG. 6B

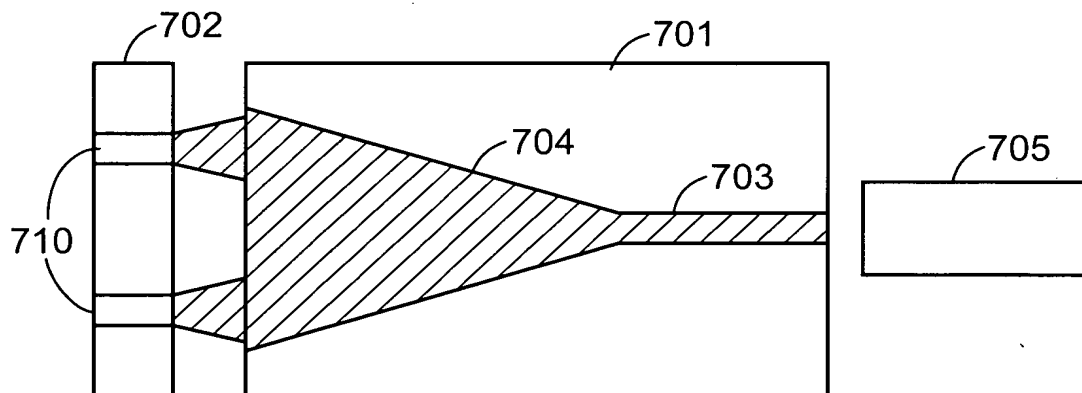


FIG. 7A

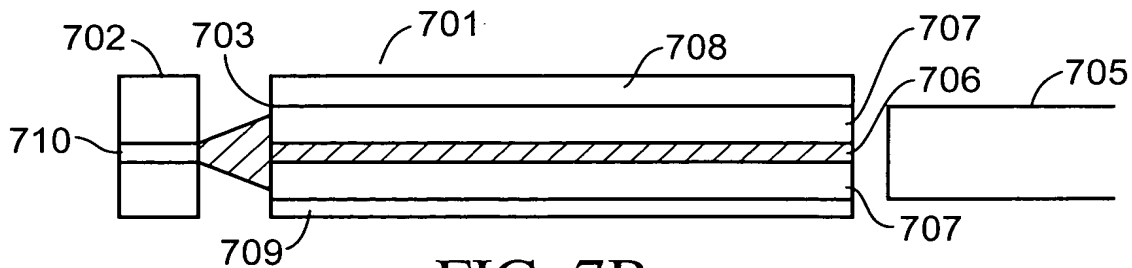


FIG. 7B

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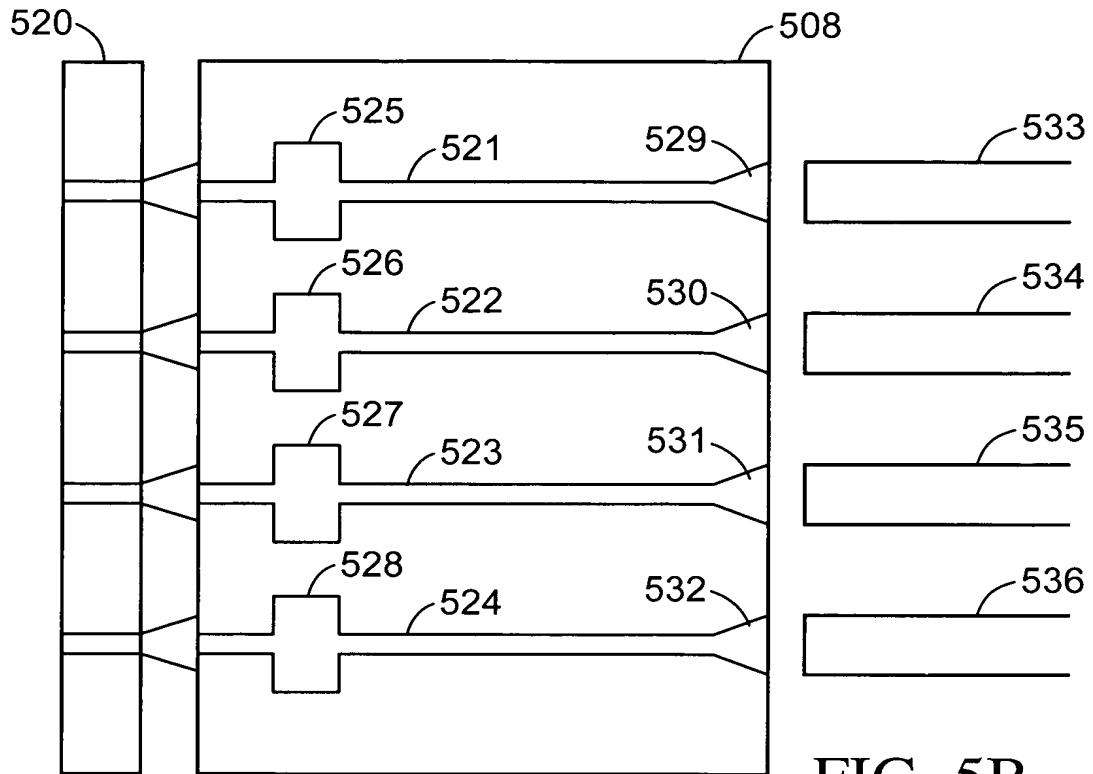


FIG. 5B

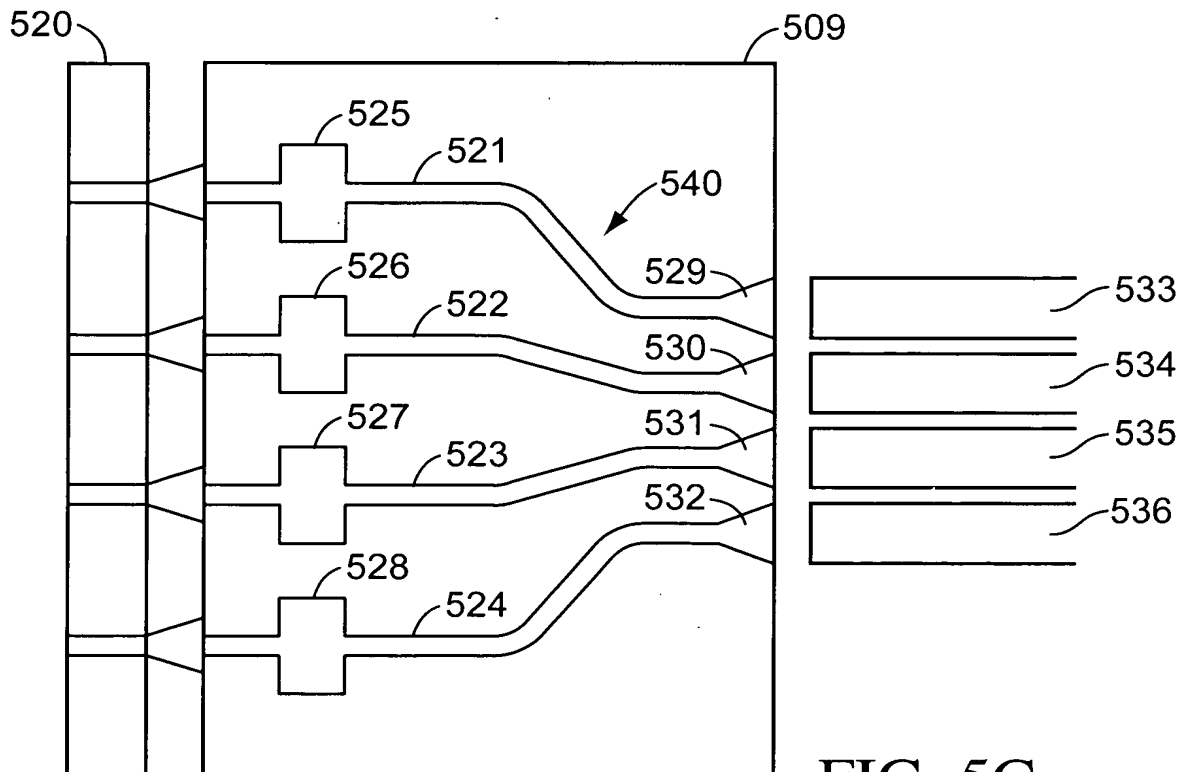


FIG. 5C



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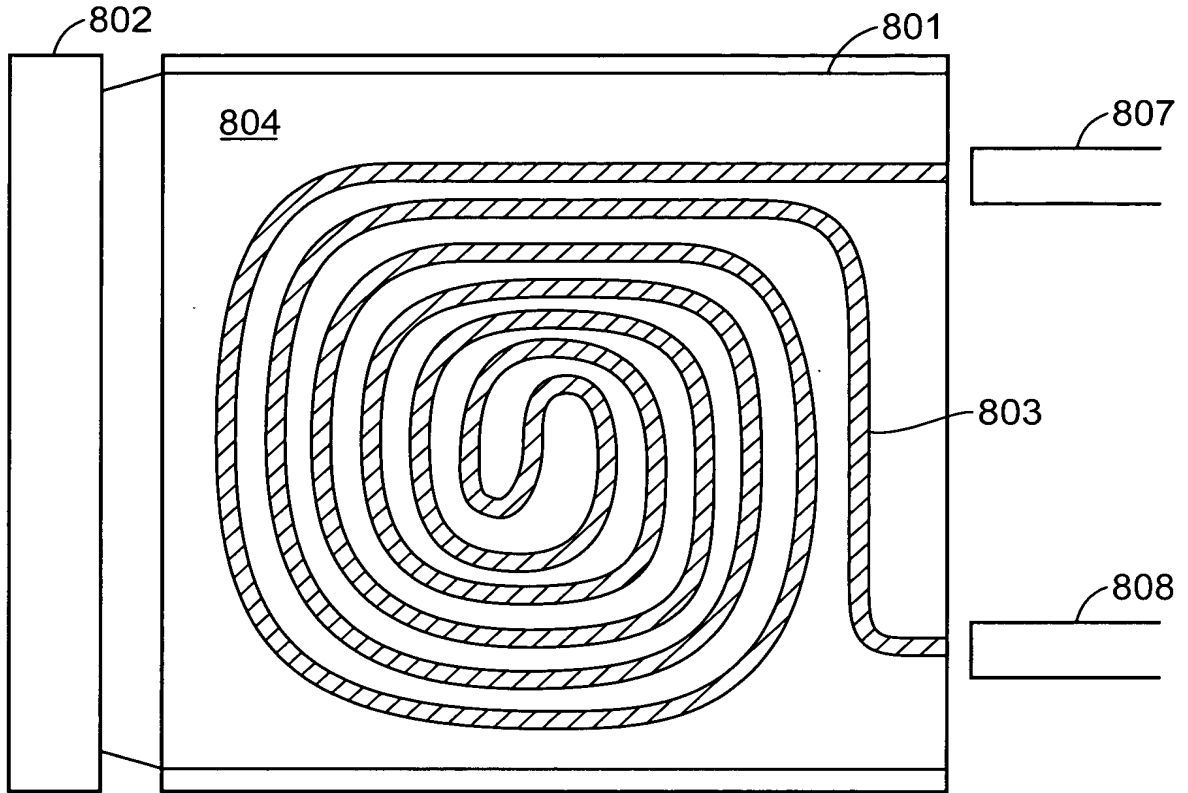


FIG. 8A

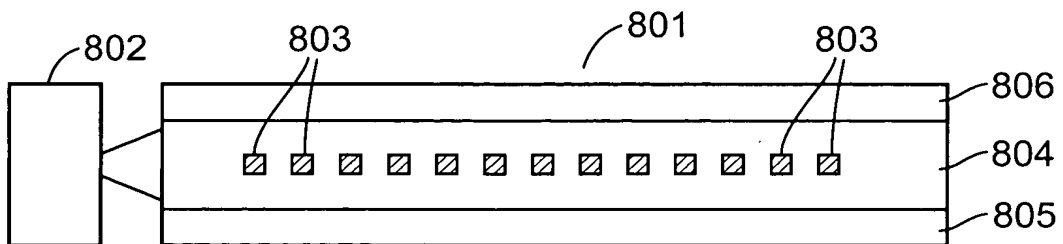
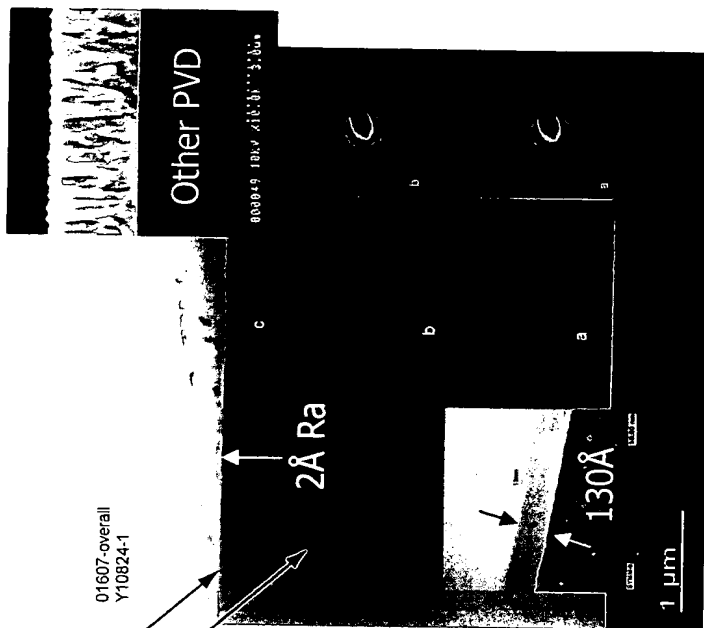


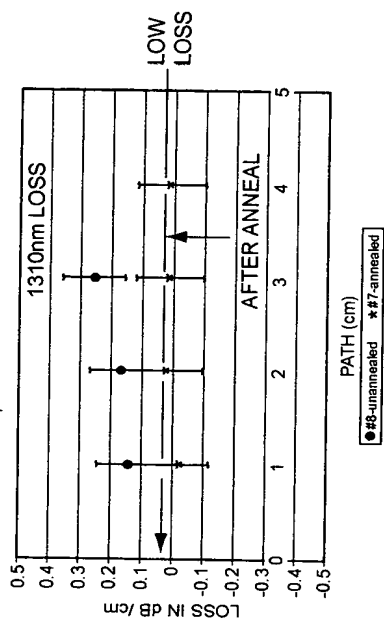
FIG. 8B



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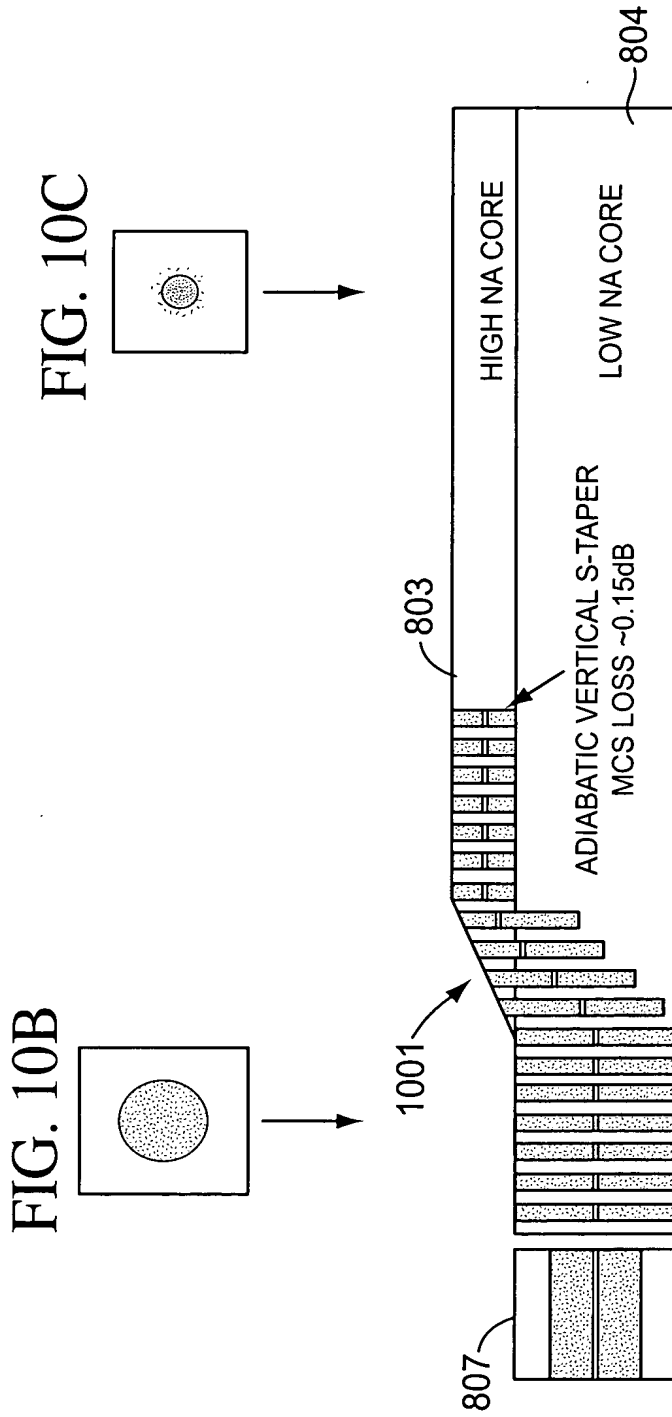
- SMOOTH SURFACE INDICATES DEFECT FREE FILM
- DIFFRACTION SHOWS AMORPHOUS FILM THROUGH THICKNESS
- HIGH OPTICAL TRANSPARENCY



FILM TRANSPARENCY BELOW 0.1dB DETECTION SENSITIVITY

FIG. 9

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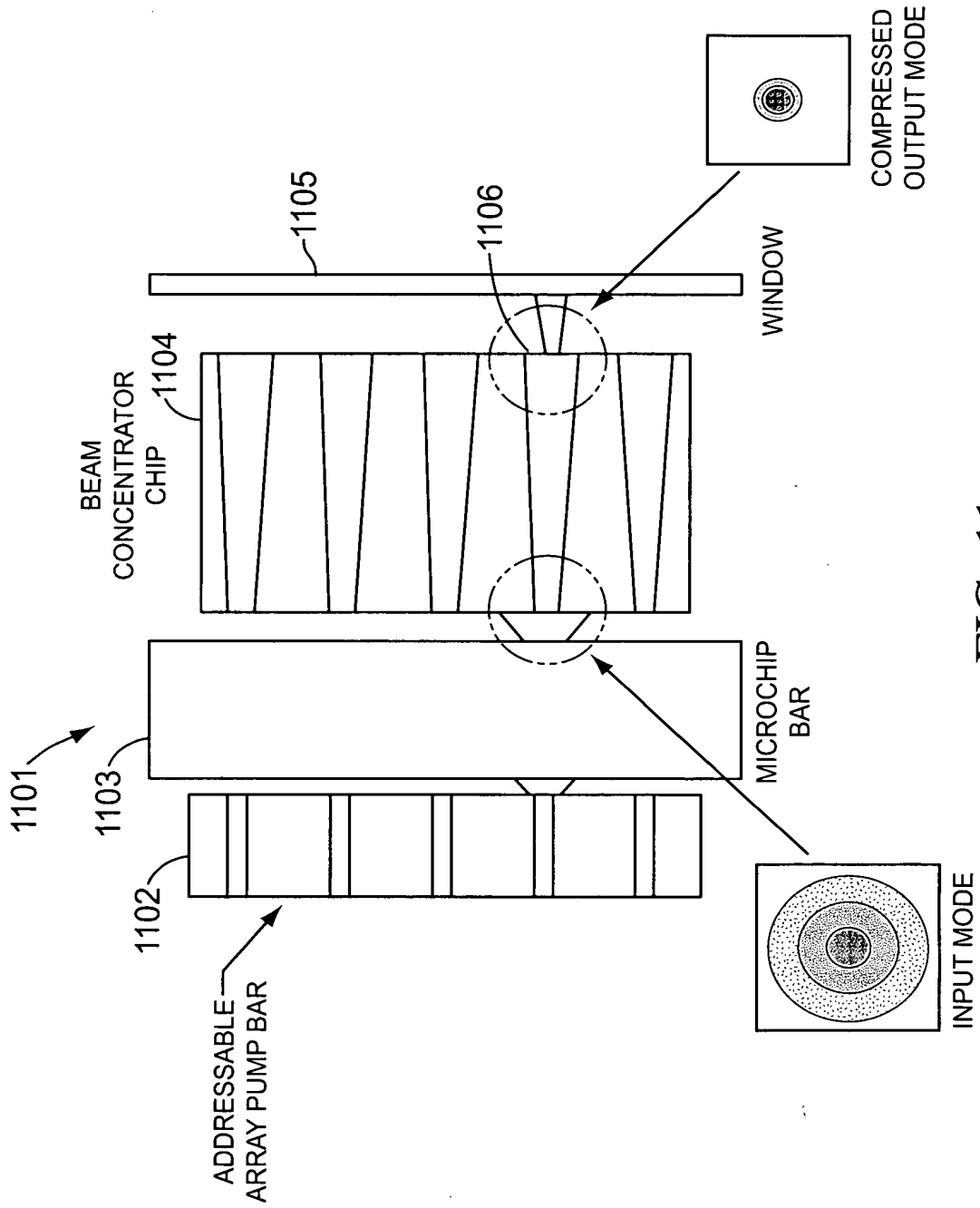


FIG. 11

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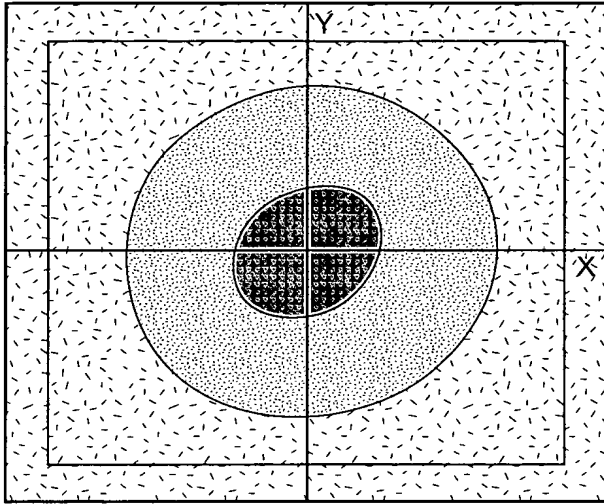


FIG. 12A

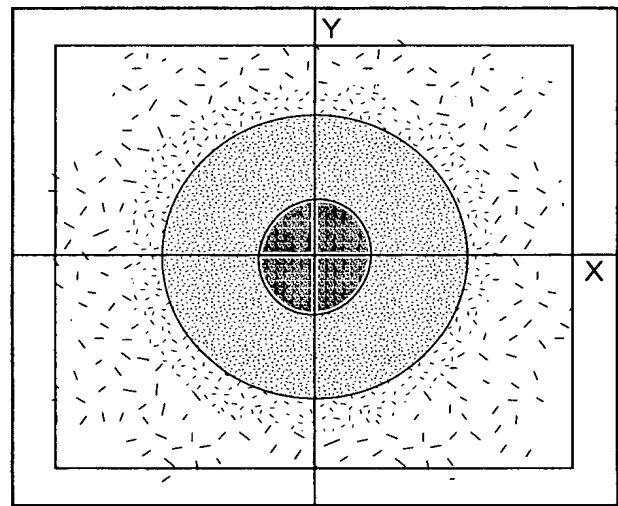


FIG. 12B

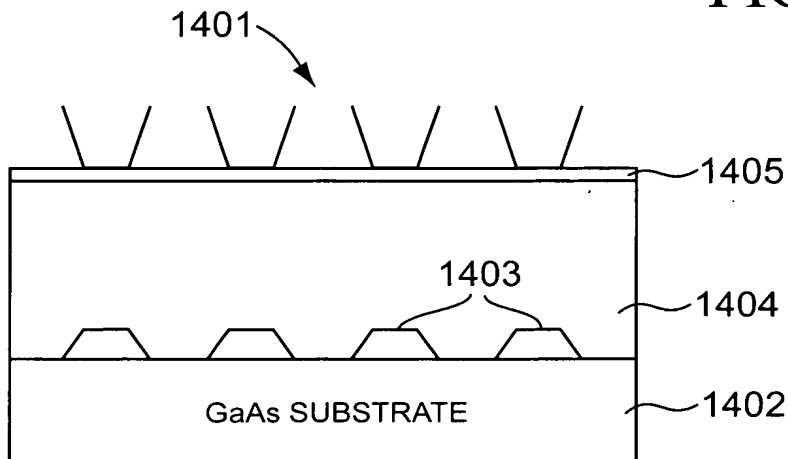


FIG. 13

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